GAMA Domestic Well Project Testing Results Commonly Observed Chemicals

Number of Samples Above CDPH Drinking Water Standards ¹

Compound	Drinking Water Standard	Yuba (2002) 128 Wells	El Dorado (2003-04) 398 Wells	Tehama (2005) 223 Wells	Tulare (2006) 181 Wells	San Diego (2008-09) 137 Wells	Cumulative Domestic Well Project Totals 1067 Wells				
BACTERIA INDICATORS											
Total Coliform	Present 3	28 (22%)	111 (28%)	56 (25%)	60 (33%)	34 (25%)	282 (26%)				
Fecal Coliform	Present 3	4 (3%)	14 (4%)	3 (1%)	15 (8%)	NAS ²	35 (3%)				
GENERAL MINERALS & IONS											
Nitrate	45 mg/L ³	2 (2%)	7 (2%)	2 (1%)	75 (41%)	25 (18%)	111 (10%)				
Perchlorate	6 μg/L ³	Not Sampled	Not Sampled	Not Sampled	2 of 40 (5%)	5 (4%)	7 of 177 (4%)				
Chloride	500 mg/L ⁴	NAS ²	NAS ²	NAS ²	NAS ²	2 (1%)	2 (<1%)				
Sulfate	500 mg/L ⁴	NAS ²	NAS ²	NAS ²	NAS ²	3 (2%)	3 (<1%)				
Total Dissolved Solids	1,000 mg/L ³	5 (4%)	5 (1%)	5 (2%)	4 (2%)	22 (16%)	41 (4%)				
				METALS							
Aluminum	1,000 μg/L ³	18 (14%)	12 (3%)	6 (3%)	2 (1%)	NAS ²	38 (4%)				
Arsenic	10 μg/L ⁴	6 (5%)	15 (4%)	30 (14%)	3 (2%)	3 (2%)	55 (5%)				
Chromium	50 μg/L ³	1 (<1%)	NAS ²	1 (<1%)	2 (1%)	NAS ²	4 (<1%)				
Iron	300 μg/L ⁴	14 (11%)	81 (20%)	31 (14%)	2 (1%)	NAS ²	123 (12%)				
Lead	15 μg/L ^{5, 6}	2 (2%)	2 (0.5%)	2 (1%)	NAS ²	NAS ²	6 (<1%)				
Manganese	50 μg/L ⁴	21 (16%)	98 (25%)	19 (9%)	2 (1%)	45 (33%)	178 (17%)				
Vanadium	50 μg/L ⁵	NAS ²	NAS ²	NAS ²	14 (8%)	2 (1%)	16 (1%)				
Zinc	5,000 μg/L ⁴	NAS ²	1 (<1%)	NAS ²	1 (<1%)	2 (1%)	4 (<1%)				
ORGANICS											
Volatile Organic Compounds	Varies by compound	NAS ²	1 (<1%)	NAS ²	10 (6%)	NAS ²	11 (1%)				

Compound	Threshold Level	Yuba (2002) 128 Wells	El Dorado (2003-04) 398 Wells	Tehama (2005) 223 Wells	Tulare (2006) 181 Wells	San Diego (2008-09) 137 Wells	Cumulative Domestic Well Project Totals 1067 Wells				
RADIONUCLIDES											
Gross Alpha	15 pCi/L ³	Padianualidas	not routinely sar	malad in those	3 of 13 wells	19 of 54 wells	22 of 67 (33%)				
Radium 226+228	5 pCi/L ³	nauionuciides	Focus Areas	ripieu iri triese	1 of 13 wells	2 of 54 wells	3 of 67 (4%)				
Uranium	20 pCi/L ³				1 of 13 wells	16 of 54 wells	17 of 67 (25%)				

Notes:

- 1. Drinking water standards established by the California Department of Public Health (CDPH) are used for comparison purposes only, since domestic well water quality is not regulated. The MCL is the highest concentration of a contaminant allowed in public drinking water. "Primary" MCLs address health concerns, while "Secondary" MCLs (SMCLs) address esthetics, such as taste and odor. Notification Levels (NLs) are health-based advisory levels for chemicals in public drinking water that have no formal regulatory standards.
- 2. None Above Standard: Domestic wells were analyzed for this chemical however, the chemical was not observed at a concentration greater than a CDPH Drinking Water Standard.
- 3. MCL
- 4. SMCL
- 5. NL
- 6. NL cannot be exceeded in more than 10% of samples at the tap.